



January 14, 2020

**Clear PVC Solvent Cementing on Sanitary Drainage**

**Code:** 2018 Plumbing Code

**Section(s):** P705.11, 705.11.2

**Question:**

Can I use a clear self-priming PVC glue/cement for sanitary drainage on a backflow preventer?

**Answer:**

Yes, as long as the solvent cement not purple in color conforms to ASTM D2564, CSA B137.3, CSA B181.2 or CSA B182.1. In addition, the joint shall be made in accordance with ASTM D2855. ASTM D2855 is a two-step (primer & solvent cement) method which means in addition to the clear PVC glue you must also have a primer. The majority of the manufacturer installation states “no primer needed on non-pressure DWV applications, where local code permits.” 2018 Plumbing Code requires the ASTM D2855a application that requires primer.

**P705.11 PVC Plastic.** Joints between PVC plastic pipe and fittings shall comply with sections 705.11.1 through 705.11.3.

**P705.11.2 Solvent cementing.** Joint surfaces shall be clean and free from moisture. A purple primer or an ultraviolet purple primer that conforms to ASTM F656 shall be applied. When an ultraviolet primer is used, the installed shall provide an ultraviolet light to the inspector to be used during the inspection. Solvent cement not purple in color and conforming to ASTM D2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with **ASTM D2855**. Solvent-cement joints shall be permitted above or below ground. Clear primer conforming to ASTM F656 may be applied to all joint surfaces where the piping is exposed under sinks and in buildings.

**Keywords:** Drainage, PVC, Clear, ASTM D2855, Primer